



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: HAVERINEN et al.

SERIAL NO.: 09/756,346

EXAMINER:

FILING DATE: 1/08/01

ART UNIT:

TITLE: AUTHENTICATION IN A PACKET DATA NETWORK

ATTORNEY DOCKET NO.: 442-010085-US(PAR)

The Commissioner of Patents and Trademarks

Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

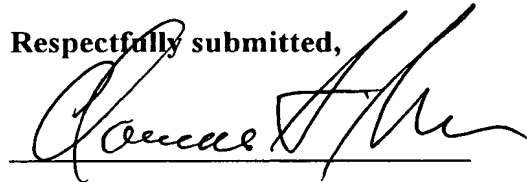
This Information Disclosure Statement is being filed within three months of the filing date of the above-identified patent application. Thus, a certification under 37 CFR 1.97(e) or fee under 37 CFR 1.17(p) is not required for the information herein to be considered.

The above-identified patent application claims priority to Finnish Patent Application No. 20000760 filed 31 March 2000. Applicants' attorney encloses copies of the following listed documents, which were provided by the applicants and may be considered relevant to the above-identified patent application. The enclosed documents are as follows: PCT International Publication Nos.: WO 00/02406, WO 00/02407; "PPP Extensible Authentication Protocol", Blunk et al., pages 1-15, 1998; "A Hybrid Authentication Mode for IKE", Litvin et al., pages 1-8, 1999; "Standards for Local and Metropolitan Area Networks: Standard for Port based Network Access Control", IEEE Draft P802.1X/D9, 144 pages, 2000;

“Mobile IP Challenge/Response Extensions”, Perkins et al., 15 pages, 2000; “Mobile IP Network Access Identifier Extension for IPv4”, Calhoun et al., 8 pages, 2000; “PKCS #1: RSA Encryption”, Kaliski, pages 1-19, 1998; “Internet Security Association and Key Management Protocol”, Maughan et al., pages 1-86, 1998; “Internet X.509 Public Key Infrastructure”, Housley et al., pages 1-129, 1999; “IP Mobility Support”, pages 1-65, Perkins, 1996; “Radius Accounting”, Rigney, pages 1-21, 1997; “The Internet Key Exchange”, Harkins et al., pages 1-41, 1998; “Remote Authentication Dial In User Service”, Rigney, pages 1-65, 1997; “The MD5 Message-Digest Algorithm”, Rivest, pages 1-21, 1992; “HMAC: Keyed-Hashing for Message Authentication”, Krawczyk et al., pages 1-11, 1997; “ The Network Access Identifier”, Aboba et al., pages 1-8, 1999, “The MD5 Message – Digest and Algorithm”, Rivest, pages 1-20, 1992.

Copies of these documents are enclosed together with PTO-Form 1449.

Respectfully submitted,



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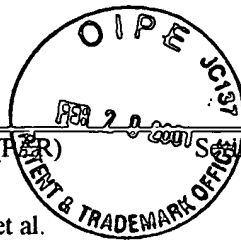
12 Feb 01

Date

CERTIFICATE OF MAILING

I hereby certify that the attached Information Disclosure Statement, PTO-Form 1449 and references are being deposited with the United States Postal Service as first class mail on the date shown below in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

2/12/01**Date**Deborah J. Clark**Name of Person Making Deposit**



INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)

Docket No.: 442-010085-US(PAT)

Serial No.: 09/756,346

Applicant(s): HAVERINEN et al.

Filing Date: 1/8/01

Group:

U.S. PATENTS

Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date

FOREIGN PATENT DOCUMENTS

Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a
✓	WO 00/02406	1/13/00	PCT	Nokia Networks Oy	n/a
✓	WO 00/02407	1/13/00	PCT	Nokia Networks Oy	n/a

OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)

✓	"PPP Extensible Authentication Protocol", Blunk et al., pages 1-15, 1998.
✓	"A Hybrid Authentication Mode for IKE", Litvin et al., pages 1-8, 1999.
✓	"Standards for Local and Metropolitan Area Networks: Standard for Port based Network Access Control", IEEE Draft P802.1X/D9, pages 1-144, 2000.
✓	"Mobile IP Challenge/Response Extensions", Perkins et al., pages 15, 2000.
✓	"Mobile IP Network Access Identifier Extension for IPv4", Calhoun et al., pages 8, 2000.
✓	"PKCS #1: RSA Encryption", Kaliski, pages 1-19, 1998.
✓	"Internet Security Association and Key Management Protocol", Maughan et al., pages 1-86, 1998.
✓	"Internet X.509 Public Key Infrastructure", Housley et al., pages 1-129, 1999.
✓	"IP Mobility Support", pages 1-65, Perkins, 1996.
✓	"Radius Accounting", Rigney, pages 1-21, 1997.
✓	"The Internet Key Exchange", Harkins et al., pages 1-41, 1998.
✓	"Remote Authentication Dial In User Service", Rigney, pages 1-65, 1997.
✓	"The MD5 Message-Digest Algorithm", Rivest, pages 1-21, 1992.
✓	"HMAC: Keyed-Hashing for Message Authentication", Krawczyk et al., pages 1-11, 1997.
✓	"The Network Access Identifier", Aboba et al., pages 1-8, 1999.
✓	"The MD5 Message - Digest Algorithm", Rivest, pages 1-20, 1992.

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
Include a copy of this citation form with your next correspondence to the Applicant(s).